

GILA RIVER BASIN

09505550 VERDE RIVER BELOW CAMP VERDE, AZ

LOCATION.--Lat 34°33'02", long 111°51'02", in SW¹/₄NW¹/₄ sec.5, T.13 N., R.5 E., Yavapai County, Hydrologic Unit 15060203, on downstream side of bridge on county highway, 0.5 mi southeast of Camp Verde, and 2.2 mi downstream from Beaver Creek.

DRAINAGE AREA.--4,670 mi², approximately (includes 373 mi² in Aubrey Valley Playa, a closed basin).

PERIOD OF RECORD.--November 1971 to December 1978 (converted to partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 3,045.10 ft above sea level.

REMARKS.--Records fair. About 10,000 acres above station are irrigated by surface water and ground water.

AVERAGE DISCHARGE.--6 years (water years 1973-78), 378 ft³/s, 273,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft³/s Dec. 19, 1978, gage height, 21.27 ft, from high-water mark in gage well; minimum daily, 13 ft³/s July 6, 7, 1976, July 9, 10, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--A peak discharge of 97,000 ft³/s was recorded at former gaging station at site 8.5 mi downstream (below West Clear Creek) on Mar. 3, 1938, and is the highest near this site since at least 1924.

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1970	09-05-70	43,000	HP	1976	02-09-76	30,100	
1972	12-26-71	15,800		1977	08-23-77	3,490	
1973	10-20-72	40,600		1978	03-01-78	41,000	
1974	07-08-74	2,200		1979	12-19-78	55,000	
1975	04-15-75	3,280		1980	02-15-80	50,900	

Magnitude and probability of instantaneous peak flow based on period of record

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50	100
50%	20%	10%	4%	2%	1%
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Weighted skew	(logs) =	---			
Mean	(logs) =	---			
Standard dev.	(logs) =	---			

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
17.9	153	5,544	70.0	2.5	17.6	2.1	4.1

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